oc – Fiber Optic Cable

Cable designs a, b, c, and d complies with 7 CFR 1755.900. Cable design e - complies with RUS requirements for Fiber Optic Service Entrance Cables. Cable designs, RUS suffixes and notes are outlined on page 1.5.3. For cable installation, PON users must follow the manufacturer's recommended use and practices.

Manufacturer name and accepted fibers	*Accepted Cables*	*Cable Design*	*Suffixes*
Alcoa Fujikura Ltd Accepted for dispersion-unshifted and dispersion-shifted single mode optical fibers. Also accepted for 50/125 and 62.5/125 micrometer multimode optical fibers.	Dielectric__(Pure) Uni-Tube MicroCore[(2)(7)]	a	B
	AFL ADSS Mini-Span Series	c	J
	AFL Loose Tube Cable	d	F
	AFL Armored Loose Tube Cable	d	H
CommScope Accepted only for dispersion-unshifted single mode optical fibers.	O-XXX-LN-XY-F12NS (Arid Core)	d	F
	O-XXX-LA-XY-F12NS (Arid Core)	d	H
	O-XXX-L2-XY-F12NS (Arid Core)	d	H
Corning Cable Systems SMF-28e (standard single-mode) LEAF (non-zero dispersion shifted single-mode) NexCor (premium single-mode) InfiniCor (50/125 Multi-mode and 62.5/125 Multi-mode)	SST-Ribbon, SST-Ribbon Gel-Free*, SST-UltraRibbon (Dielectric & Armored versions accepted)	a	B, C, P
	SST-Drop (Dielectric & Armored - Toneable versions included)	e	B, C, P
	SOLO All-Dielectric Self Supporting (ADSS Short Span & ADSS Medium-Span)	c	J, P
	ALTOS™ Filled and Gel Free (Lite version included)	c	I, K, P
		d	E, F, G, H, P
	ALTOS™ Figure-8 Gel-Free and Filled (Lite version included)	c	I, K, P
		d	E, F, G, H, P
	ALTOSRD™ (Lite version included)	d	E, F, G, H, P

oc – Fiber Optic Cable

Cable designs a, b, c, and d complies with 7 CFR 1755.900. Cable design e - complies with RUS requirements for Fiber Optic Service Entrance Cables. Cable designs, RUS suffixes and notes are outlined on page 1.5.3. For cable installation, PON users must follow the manufacturer's recommended use and practices.

Draka Comteq Standard singlemode, Enhanced Singlemode, BendBright (XS), TeraLight Metro NZDSF, TeraLight Ultra NZDSF, includes 2.65 mm loose tubes.	ezUNITUBE™	a, e	B, C
	ezPREP™ Loose Tube Central	a, e	M
	ezRIBBON™ Central Tube [8][9] (includes Gel Free version*)	a	A, B, C, D
	ezPREP™ Loose Tube Traditional Filled/Dry (includes Heavy Duty versions)	b, d, e	E, F, G, H
	ezPREP™ Loose Tube includes versions: 1. Heavy Duty 2. Gel Free* Figure 8	c, d, e	E, F, G, H, I, K
	ezSPAN™ADSS Short Span	c, e	J
	ezMICRODUCT™ [7]	d, e	F
	ezSPAN™ADSS Long Span	c	J
	ezDROP™ Dielectric ezDROP™ Toneable	e	B, P
	ezDROP™ Figure 8	e	B, P
Hitachi Cable Accepted only for dispersion-unshifted and dispersion-shifted single mode optical fibers.	60090	d	F
	60102[5]	d	H
	60298[4]	d	H
NextGen Fiber Optics/ General Cable Accepted only for dispersion-unshifted single mode optical fibers.	4M__[3]Y-DWB	c	I
	4H__[3]N-DWB	c	K
	4__[6]2A-DWB	d	E
	4__[6]1A-DWB	d	F
	4__[6]2F-DWB	d	G
	4__[6]1F-DWB	d	H
OFS OFS Single Mode Fibers: AllWave®, AllWave® FLEX ZWP, TrueWave® RS, Singlemode Low Water Peak (Contact OFS for Literature) OFS Multi Mode Fibers: LaserWave™ (50 um), Laser Optimized Fiber 62.5/62.5XL, Standard 62.5um & 50um Multimode Fiber (Contact OFS for Literature)	LightPack® LXE	a	B, C
	Mini C2™	a	C, P
	AccuRibbon® DC	a	B, C
	Single Jacket, Armored (contact OFS for literature), Light-Armored	b d	E, F, G, H, P
	Figure8 (includes Armored version, contact OFS for literature)	c	I, K, P
	PowerGuide® ADSS (includes TTH version)	c	J, P
	Fortex™ DT (includes High Density version and both may be Single Jacket, Armored, or Light-Armored as needed)	d	E, F, G, H, P
	AccuRibbon® LXE	a	B, C
	Mini LXE	e	C
	Dielectric Drop	e	B
	Mini LT (toneable version included)	e	B

oc – Fiber Optic Cable

Cable designs a, b, c, and d complies with 7 CFR 1755.900. Cable design e - complies with RUS requirements for Fiber Optic Service Entrance Cables. Cable designs, RUS suffixes and notes are outlined on page 1.5.3. For cable installation, PON users must follow the manufacturer's recommended use and practices.

Manufacturer name and accepted fibers	*Accepted Cables*	*Cable Design*	*Suffixes*
Prysmian Accepted only for dispersion-unshifted and dispersion-shifted single mode optical fibers.	CentraLink™ [2] (includes CD version)	a, e	D
	AeroLink™ ADSS (includes Short, Medium, and Long versions)	c	J
	FlexLink™ (includes Armored version)	d	F, H
Remee Products Accepted for dispersion-unshifted and dispersion-shifted single mode optical fibers. Also accepted for 50/125 and 62.5/125 micrometer multimode optical fibers.	22 Series[5] (Contact Remee for literature on dry block designs, flooded designs on web)	b,d,e	E, F
	23 Series[4] (Contact Remee for literature on dry block designs, flooded designs on web)	b,d,e	G, H
	25 Series[4] (Contact Remee for literature on dry block designs, flooded designs on web)	b,d,e	E, F
	28 Series [4][5] (Contact Remee for literature on dry block designs, flooded designs on web)	b,d,e	G, H
	83 Series[4][5] (Contact Remee for literature on dry block designs, flooded designs on web)	c	K, L
	88 Series [4][5] (Contact Remee for literature on dry block designs, flooded designs on web)	c	I, J
Sumitomo Electric Accepted for dispersion-unshifted fiber (PureBand and PureAccess) and dispersion-shifted single mode optical fibers (PureGuide and PureMetro). Also accepted for 50/125 and 62.5/125 micrometer multimode optical fibers.	Litepipe™ ADS™ (Ribbon & Fiber Bundle)	a	B
	Litepipe™ Armorlux® (Ribbon& Fiber Bundle)	a	C
	DriCore®	d	E, F, G, H
	DriTube (ribbon cable)	a	B, C
	SE-*LW*, *LV*, *LG*,*LH*	e	N
Superior Essex Accepted only for dispersion-unshifted and dispersion-shifted single mode optical fibers.	SLT(2)	a	B, D
	SLT-D-R[2] (Ribbon)	a	B, D
	MLT	b	E, F, G, H
	MLT-8	c	I, K
	MLT-D-8	c	I, K
	MLT-D	d	E, F, G, H

1.5.3
08-06
oc

Cable Designs:

a – Unit Core or Central Core Tube Fiber Core Construction
b – Gel Filled Multiple Loose Tube Core Construction; May contain multiple fibers per tube.
c – Self-Supporting Filled Fiber Optic Cables
d – Dry Filled Multiple Loose Tube Fiber Core Construction; May contain multiple fibers per tube.
e – Complies with Draft RUS Specification for Fiber Optic Service Entrance Cables
* – Indicates Cable Designs that are fully dry using water blocking elements throughout.

Suffixes:

A - Nonarmored with Metallic Strength Members Embedded in Jacket
B - Nonarmored with Dielectric Strength Members Embedded in Jacket for aerial and duct use only
C- Armored with Metallic Strength Members Embedded in Jacket
D - Armored with Dielectric Strength Members Embedded in Jacket
E - Nonarmored with Metallic Central Strength Member for aerial and duct use only
F - Nonarmored with Dielectric Central Strength Member for aerial and duct use only
G - Armored with Metallic Central Strength Member
H - Armored with Dielectric Central Strength Member
I - Nonarmored with Metallic Support Messenger
J - Nonarmored with Dielectric Support Messenger
K - Armored with Metallic Support Messenger
L - Armored with Dielectric Support Messenger
M - Armored with additional strength yarns in place of strength members for tensile strength.
N - Nonarmored Dielectric Cable for aerial, underground and buried use.
P - Preconnectorized Cable

Notes

(1) May contain multiple fibers per tube.
(2) Not embedded in jacket; surrounds central core tube.
(3) Replace blank with the number 1 or 2.
(4) Double jacketed design.
(5) Single jacketed design.
(6) Replace blank with either the letter M or H.
(7) For air blown microduct (a duct having a diameter of 10 to 13 millimeters) installations only.
(8) Toneable ribbon cable accepted
(9) High count (288-432) 24 fiber splittable ribbon accepted